

Listing of Claims:

1. (Previously Presented) A standard advanced technology attachment queuing automation circuit, comprising:

a first circuit for storing a command from a higher layer of a serial advanced technology attachment (SATA) device;

a second circuit for creating a frame information structure (FIS) corresponding to the command, communicating with a transport layer of the SATA device, and transmitting the frame information structure to the transport layer of the SATA device; and

a third circuit for receiving a FIS from the transport layer of the SATA device, decoding the received FIS, and taking an appropriate action.

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)

6. (Previously Presented) The standard advanced technology attachment queuing automation circuit of Claim 1, further comprising a command completion queue.

7. (Previously Presented) The standard advanced technology attachment queuing automation circuit of Claim 6, wherein the command completion queue is implemented in software.

8. (Previously Presented) The standard advanced technology attachment queuing automation circuit of Claim 6, wherein the command completion queue is implemented in hardware.

9. (Previously Presented) The standard advanced technology attachment queuing automation circuit of Claim 8, wherein the command completion queue is a first in first out device.

10. (Original) The standard advanced technology attachment queuing automation circuit of Claim 8, wherein the command completion queue is loaded from the standard advanced technology attachment queuing automation circuit.

11. (Original) The standard advanced technology attachment queuing automation circuit of Claim 1, wherein the first circuit receives the command from the higher layer through a command to be executed queue.

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)

22. (Previously Presented) The standard advanced technology attachment queuing automation circuit of Claim 11, wherein the command to be executed queue is implemented through software code.
23. (Previously Presented) The standard advanced technology attachment queuing automation circuit of Claim 11, wherein the command to be executed queue is implemented through hardware.
24. (Previously Presented) The standard advanced technology attachment queuing automation circuit of Claim 23, wherein the command to be executed queue is implemented as a part of the standard advanced technology attachment queuing automation circuit.
25. (Previously Presented) The standard advanced technology attachment queuing automation circuit of Claim 23, wherein the command to be executed queue is implemented as separate from the standard advanced technology attachment queuing automation circuit.